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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/489,793	01/24/2000	David K. McKnight	CA9-99-017	6281
25259	7590	10/27/2003	EXAMINER	
IBM CORPORATION 3039 CORNWALLIS RD. DEPT. T81 / B503, PO BOX 12195 REASEARCH TRIANGLE PARK, NC 27709			BASHORE, WILLIAM L	
			ART UNIT	PAPER NUMBER
			2176	
DATE MAILED: 10/27/2003				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	09/489,793	MCKNIGHT ET AL.
	Examiner	Art Unit
	William L. Bashore	2176

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 05 August 2003 .

2a) This action is FINAL.                            2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1-43 is/are pending in the application.

4a) Of the above claim(s) 14,15 and 37-39 is/are withdrawn from consideration.

5) Claim(s) \_\_\_\_\_ is/are allowed.

6) Claim(s) 1-13,16-22,24-36 and 40-43 is/are rejected.

7) Claim(s) 23 is/are objected to.

8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12) The oath or declaration is objected to by the Examiner.

#### Priority under 35 U.S.C. §§ 119 and 120

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some \* c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_ .
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a) The translation of the foreign language provisional application has been received.

15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

#### Attachment(s)

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_ .

4) Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_ .

5) Notice of Informal Patent Application (PTO-152)

6) Other: \_\_\_\_\_ .

## DETAILED ACTION

1. This action is responsive to communications: original application filed 1/24/2000, with priority filing date of **10/15/1999**.
2. Examiner acknowledges Applicant's election of Group I claims for examination on the merits, as per response filed 8/5/2003, however, it is respectfully noted that unelected claims have not been canceled. Since Applicant presents no argument in support of any possible traversal, the examiner interprets Applicant's election as an election without traverse.
3. Claims 1-13, 16-36, 40-43 are pending. Claims 1, 3-4, 12, 16, 22, 24, 26-27, 35, 40-42 are independent claims.

### *Allowable Subject Matter*

4. Claim 23 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

### *Claim Rejections - 35 USC § 103*

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. **Claims 1-8, 10-12, 16-17, 19, 24-31, 33-35, 40, 42-43 are rejected under 35 U.S.C. 103(a) as being unpatentable over Word 97 (hereinafter Word 97), 1996 Microsoft Corporation, screenshots pages 1-16.**

**In regard to independent claim 1**, Word 97 teaches a method of formatting a document based upon an initial (on the fly) analysis of an example input (a user example document) (Word 97 page 2, 9; compare with claim 1 “*receiving a user example*”).

Word 97 analyzes the following user example input: “Dear John,”, at which the system determines that one is attempting to write (format) a letter. A user chooses to get help, resulting in the appearance of Letter Wizard for final formatting and styling (Word 97 pages 10-15). Word 97 does not specifically disclose formatting non-functional aspects in the style of said example, as claimed. However, page 10 of Word 97 teaches a “Full block” letter style (incorporating non-functional block indent/groupings) as a default choice, which attempts to approximate the letter style display of said user input, therefore providing the claimed equivalent of formatting non-functional aspects in the style of user example input (Word 97 page 10; compare with claim 1 “*A method for formatting a document, comprising the steps of* “, and “*formatting the non-functional aspects of said document in the style of said user example.*”). It would have been obvious to one of ordinary skill in the art at the time of the invention to interpret Word 97 in this fashion, providing Word 97 the benefit of offering various style selections for convenience of document construction.

**In regard to dependent claim 2**, Word 97 teaches “Full block” and “Modified block” (indentation styles), as well as order (header and footer inclusion), and space for inputting mailing instructions, attention and Subjects (forms of comments) (see Word 97 pages 10, 11, 14).

**In regard to independent claim 3**, claim 3 incorporates substantially similar subject matter as claimed in claim 1, and in further view of the following, is rejected along the same rationale.

Word 97 teaches generation of various style templates based upon a user’s initial attempt at writing a letter, said templates comprising various components (section order, header, footer, date line, and text block groupings) (Word 97 pages 4, 10-11). Word 97 does not specifically teach alignment offsets, as claimed. However, Word 97 teaches a “Modified block” style including block indentations (Word 97 page 11), providing

the claimed equivalent of alignment offsets. It would have been obvious to one of ordinary skill in the art at the time of the invention to interpret Word 97 as incorporating offsets, providing the benefit of various letter styles for convenience (compare with claim 3 “*selectively generating from said example document style templates, alignment offsets and section order*”).

Word 97 teaches reformatting of inputted text and inclusion of macros (functional aspects) to fit the form of a selected letter style (Word 97 pages 4 11-12, 16; compare with claim 3 “*responsive to said templates, offsets, and order, formatting functional aspects of said output document.*”).

**In regard to independent claim 4,** claim 4 incorporates substantially similar subject matter as claimed in claim 3, and in further view of the following, is rejected along the same rationale.

Word 97 does not specifically disclose replaceable macros in an output document, as claimed. However, Word 97 teaches macro inclusion in templates, and a method of selecting alternate salutations (Word 97 pages 4, 16), providing the claimed equivalent of macro inclusion. It would have been obvious to one of ordinary skill in the art at the time of the invention to interpret Word 97 in this fashion, providing Word 97 the benefit of macros for convenient display of alternate text (compare with claim 4 “*selectively including replaceable macros*”).

**In regard to dependent claim 5,** Word 97 teaches reformatting of inputted text and inclusion of macros (functional aspects) to fit the form of a selected letter style (Word 97 pages 4 11-12, 16).

Word 97 also teaches a method of selecting alternate salutations (Word 97 pages 4, 13, 16).

**In regard to dependent claim 6,** Word 97 teaches analysis of user input “Dear John,,” the analysis dependent upon syntactical review of the punctuation of said input (Word 97 page 2).

**In regard to dependent claim 7**, Word 97 teaches alteration of “mailing instructions”, “Attention”, and “Subject” fields, as well as creating auto text (after applying pattern matching) (Word 97 pages 14, 16). The alterations (i.e. comment removal, etc.) are temporary until saved by the user or by Word 97 auto save feature.

**In regard to dependent claim 8**, Word 97 teaches various sections of a document (Word 97 pages 10-15).

**In regard to dependent claims 10, 11**, Word 97 teaches revising a final document (changing its style) using a right click feature, in combination with a replaceable function (i.e. a macro) feature as taught in the rejection of independent claim 4 (see Word 97 page 16).

**In regard to independent claim 12**, claim 12 incorporates substantially similar subject matter as claimed in claim 3, and in further view of the following, is rejected along the same rationale.

Word 97 teaches a “Modified block” style template comprising various calculated block indents, the desired application of said template to a user document preserves said indents to produce a final document (Word 97 page 11).

Word 97 does not specifically teach parsing of components, as claimed. However, Word 97 teaches analyzing initial user inputted words and punctuation (Word 97 page 2, 9), which provides the claimed equivalent of parsing text components (compare with claim 12 “*while parsing document components*”). It would have been obvious to one of ordinary skill in the art at the time of the invention to interpret Word 97 in this fashion, providing Word 97 the benefit of text analysis/matching for presentation of various templates.

**In regard to independent claim 16**, claim 16 reflects the computer program product comprising computer readable instructions used for performing the methods as claimed in claim 3, and in further view of the following, is rejected along the same rationale.

Word 97 does not specifically disclose formatting non-functional aspects in the style of said example, as claimed. However, page 10 of Word 97 teaches a “Full block” letter style (incorporating non-functional block indent/groupings) as a default choice, which attempts to approximate the letter style display of said user input, therefore providing the claimed equivalent of formatting non-functional aspects (Word 97 page 10; compare with claim 16 “*non-functional aspects*”). It would have been obvious to one of ordinary skill in the art at the time of the invention to interpret Word 97 in this fashion, providing Word 97 the benefit of offering various style selections for convenience of document construction.

**In regard to dependent claim 17**, Word 97 does not specifically teach a grammar template for storing rules, as claimed. However, Word 97 teaches analysis of user input “Dear John,”, the analysis dependent upon syntactical and pattern matching review of the words and punctuation of said input (Word 97 page 2), providing the claimed equivalent of templates with grammar rules required to make such an analysis. It would have been obvious to one of ordinary skill in the art at the time of the invention to interpret Word 97 in this fashion, providing Word 97 the benefit of rules for making accurate analysis.

**In regard to dependent claim 19**, Word 97 teaches a letter wizard can be used to modify/complete existing letters, each letter capable of incorporating various customized template portions (Word 97 page 2 - at bottom).

**In regard to claims 24-31, 33-35,** claims 24-31, 33-35 reflect the computer program product comprising computer readable instructions used for performing the methods as claimed in claims 1-8, 10-12, respectively, and are rejected along the same rationale.

**In regard to claim 40,** claim 40 reflects the system comprising computer readable instructions used for performing the methods of the product as claimed in claim 16, and is rejected along the same rationale.

**In regard to claims 42, 43,** claims 42, 43 reflect the system comprising computer readable instructions used for performing the methods as claimed in claims 4, 5, respectively, and are rejected along the same rationale.

7. **Claims 9, 13, 18, 20-21, 32, 36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Word 97, as applied to claims 4, 12, 16, 27, 35 above, and further in view of Turbo C++ Version 4.5, 1995 Borland International (hereinafter Borland), screenshots pages 1-7.**

**In regard to dependent claims 9, 13,** Word 97 teaches group ordering (i.e. header, footer) (Word 97 page 11). Word 97 does not specifically teach public, protected, and private member access associated with an order, as well as offsets preserved for variables, functions, and constructors. However, Borland teaches a text editor for editing program files (i.e. C, C++, etc.). Borland teaches an auto indent mode as well as persistent blocks for preserving indentation of blocks of code (Borland page 2). Borland also teaches customization of reserved words (i.e. by color or underlining, etc.), said (C++) reserved word comprising “public”, “private”, and “protected” words, as well as highlighting other types of data (i.e. variables, and elements making up functions and constructors, etc.). The customization of coloring, etc. to said words can be interpreted as a form of prioritized ordering (Borland pages 2, 7). Since Word 97 (and most typical text processors) can display a C++ text file, it would have been obvious to one of ordinary skill in the art at the time of the invention to apply

Borland's ordering/prioritization of C++ text to Word 97's templates, providing word 97 the benefit of enhancing its templates to accommodate various text files.

**In regard to dependent claims 18, 20,** Word 97 does not specifically teach a grammar template for storing rules, as claimed. However, Word 97 teaches analysis of user input "Dear John,", the analysis dependent upon syntactical and pattern matching review of the words and punctuation of said input (Word 97 page 2), providing the claimed equivalent of templates with grammar rules required to make such an analysis. It would have been obvious to one of ordinary skill in the art at the time of the invention to interpret Word 97 in this fashion, providing Word 97 the benefit of rules for making accurate analysis.

Word 97 does not specifically teach rules for programming languages, or of declaration/definition files. However, Borland teaches an editor specifically tailored to edit text, as well as editing C++ text files, comprising declaration/definition files (i.e. #include <stdio.h>) (Borland pages 1, 6-7). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Borland's rules and files associated with C++ to Word 97, providing word 97 the benefit of enhancing its templates to accommodate various text files.

**In regard to dependent claim 21,** Word 97 does not specifically teach generation of class declarations, class-head, base-specifiers, body, access-specifiers, and member declarations. However, Borland teaches an editor specifically tailored to edit text, as well as editing and dealing with the specialized constructs within C++ text files. (Borland pages 1, 6-7). Since the above is specific to C++, it would have been obvious to one of ordinary skill in the art at the time of the invention to apply Borland's rules and constructs associated with C++ to Word 97, providing word 97 the benefit of enhancing its templates to accommodate various text files.

**In regard to claims 32, 36,** claims 32, 36 reflect the computer program product comprising computer readable instructions used for performing the methods as claimed in claims 9, 13, respectively, and are rejected along the same rationale.

8. **Claims 22, 41 are rejected under 35 U.S.C. 103(a) as being unpatentable over Word 97, in view of Borland.**

**In regard to independent claim 22,** claim 22 reflects the computer program product comprising computer readable instructions used for performing the methods as claimed in claim 3, and in further view of the following, is rejected along the same rationale.

Word 97 teaches analysis of user input “Dear John,”, the analysis dependent upon syntactical and grammatical review of the words and punctuation of said input (Word 97 page 2; compare with claim 22 “grammar”).

Word 97 does not specifically teach parsing of components, as claimed. However, Word 97 teaches analyzing initial user inputted words and punctuation (Word 97 page 2, 9), which provides the claimed equivalent of parsing text components (compare with claim 22 “parsing”). It would have been obvious to one of ordinary skill in the art at the time of the invention to interpret Word 97 in this fashion, providing Word 97 the benefit of text analysis/matching for presentation of various templates.

Word 97 does not specifically teach templates for programming languages. However, Borland teaches an editor specifically tailored to edit text, as well as editing C++ programming files (Borland pages 1, 6-7). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Borland’s specific editing of files associated with C++ to Word 97, providing word 97 the benefit of enhancing its templates to accommodate various text files for programmers.

**In regard to independent claim 41**, claim 41 reflects the system comprising computer readable instructions used for performing the methods of the product as claimed in claim 22, and is rejected along the same rationale.

**9. Prior art made of record and not relied upon is considered pertinent to disclosure.**

Van De Vanter	U.S. Patent No. 5,857,212	issued	01-1999
Tateishi	U.S. Patent No. 5,669,007	issued	09-1997
Nazam et al.	U.S. Patent No. 5,983,227	issued	11-1999
Truelson	U.S. Patent No. 6,223,191	issued	04-2001

***Conclusion***

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to William Bashore whose telephone number is **(703) 308-5807**. The examiner can normally be reached on Monday through Friday from 11:30 AM to 8:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild, can be reached on **(703) 305-9792**.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is **(703) 305-3900**.

11. **Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**or faxed to:**

**(703-872-9306) (for formal/after-final communications intended for entry)**

**Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Fourth Floor (Receptionist).**



William L. Bashore  
Patent Examiner, AU 2176  
October 17, 2003